

**AMENDMENTS TO THE SPECIFICATION**

Please replace page 18, lines 19-29, with the following amended paragraph:

The diagnostics and control system 66 thus comprises the controller 71 operatively associated with the motorized system 12 to operate the system 12 in a controlled fashion via the control signal 64 to the motor drive 60, as well as the diagnostics system 70 operatively associated with the motorized system 12 and adapted to diagnose the health thereof according to one or more measured attributes (e.g., vibration, pressure, current, speed, and/or temperature), such as the signals from sensors 24, 33, 35, 37, 38, 40, 46, 47, 48, and/or 49 in accordance with the present invention.

The diagnostics system 70 may further utilize a feedback loop 73 from the controller 71 to further assesses the health of the motorized system 12. It will be noted at this point that although the exemplary motorized system 12 includes a pump 14, that the diagnostics and control system 66 may be employed in association with other motorized systems (not shown) having a motor and a load, including but not limited to valve, pump, conveyor roller, fan, compressor, and/or gearbox type loads.